

FIG. 1

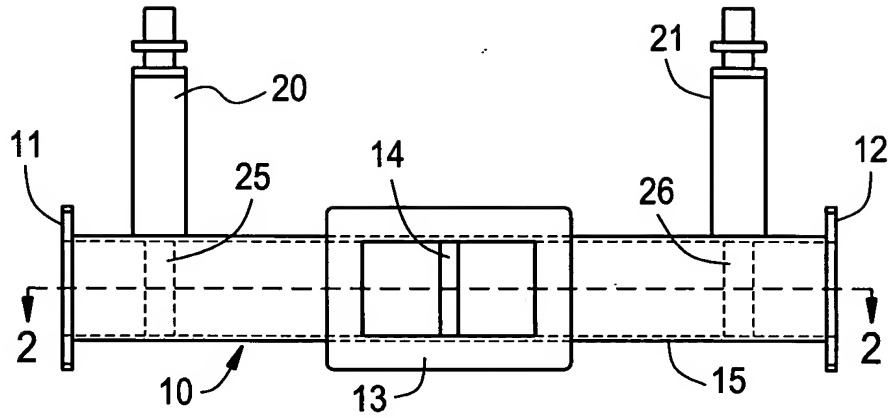


FIG. 2

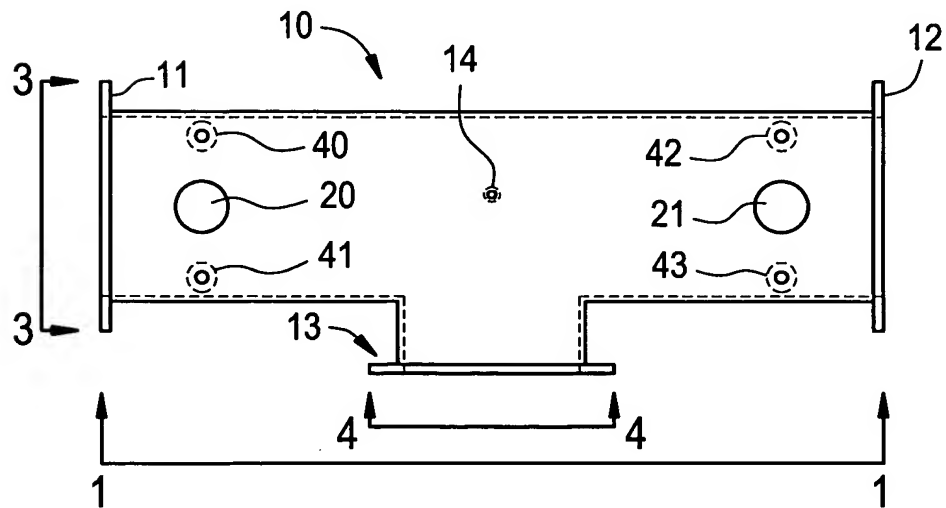


FIG. 3

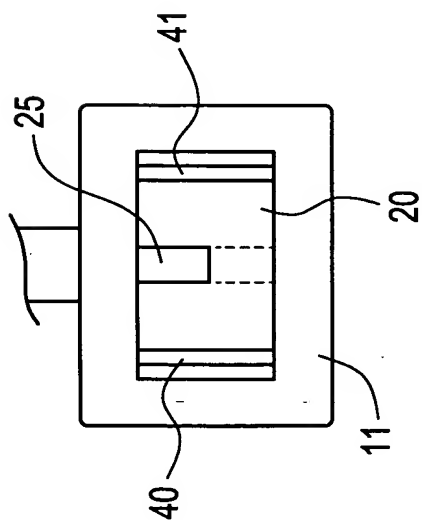


FIG. 4

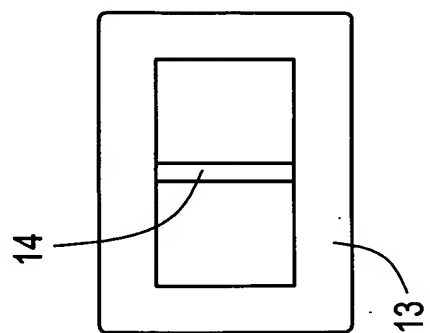


FIG. 5

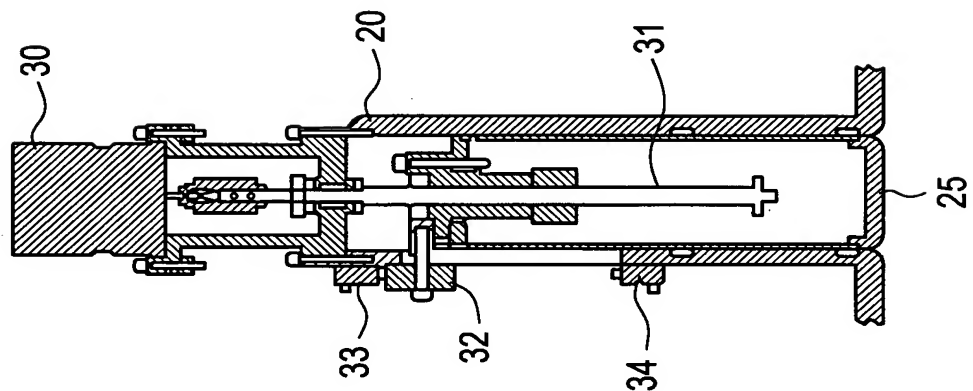
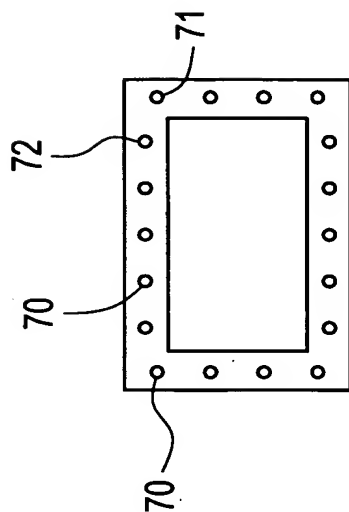


FIG. 9

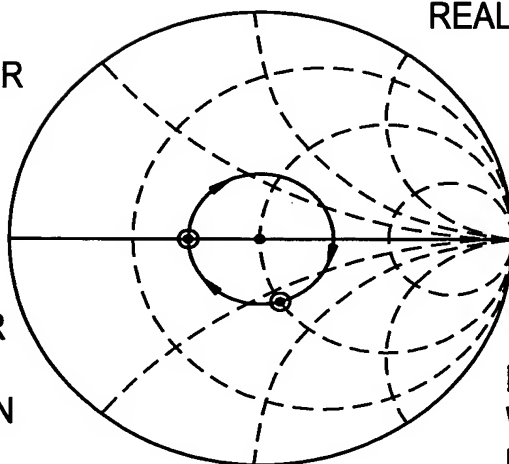


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FIG. 6

ROTATE TOWARD THE CENTER
OF DIVIDER THROUGH A
LENGTH THAT RESULTS IN ALL
REAL IMPEDANCE AT CENTER

AFTER ROTATING
TOWARD THE CENTER
OF DIVIDER FROM
PROBE, THROUGH
ABOUT $5/8$ GUIDE
WAVELENGTH.
IMPEDANCE AT
ELECTRICAL CENTER
IS NEARLY PURE
REAL AND LESS THAN
CHARACTERISTIC
IMPEDANCE

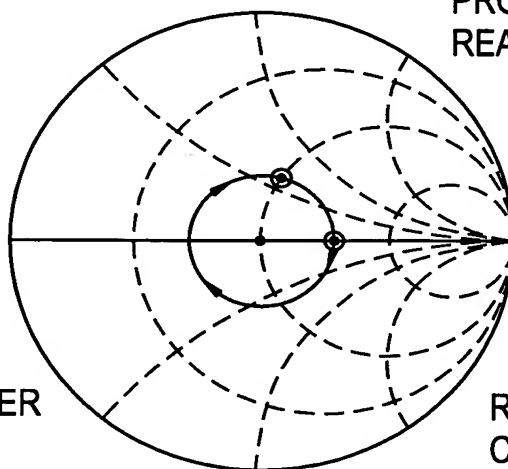


PROBE INSERTED INTO
WAVEGUIDE TO
PRODUCE NET
CAPACITIVE REACTANCE

FIG. 7

PROBE WITHDRAWN TO
PRODUCE A NET INDUCTIVE
REACTANCE AT PROBE

AFTER ROTATING
TOWARD THE CENTER
OF DIVIDER FROM
PROBE, THROUGH
ABOUT $5/8$ GUIDE
WAVELENGTH,
IMPEDANCE AT CENTER
IS NEARLY PURE REAL
AND HIGHER THAN
CHARACTERISTIC
IMPEDANCE



ROTATE TOWARD THE
CENTER OF ELECTRICAL
CENTER OF THE
INVENTION THROUGH A
LENGTH THAT RESULTS IN
ALL REAL IMPEDANCE AT
THE NETWORK CENTER

FIG. 8

